

Title (en)

Method to automatically pull out a broken weft yarn from the shed in air looms and pneumomechanical device used in said method

Title (de)

Verfahren zum automatischen Entfernen eines falschen Schussfadens aus dem Webfach einer Luftwebmaschine und für dieses Verfahren verwendete pneumomechanische Vorrichtung

Title (fr)

Procédé pour retirer automatiquement un fil de trame cassé de la foule sur un métier à tisser à jet d'air et dispositif pneumomécanique utilisé dans ce procédé

Publication

EP 0534541 B1 19961218 (EN)

Application

EP 92202872 A 19920918

Priority

IT MI912464 A 19910918

Abstract (en)

[origin: EP0534541A1] Method to automatically pull out a faulty weft from the shed in air looms. In case of a faulty weft, the cutting of the yarn (2) is prevented and a double weft is simultaneously fed into the shed (3). The loop (7) thus formed is conveyed to the outlet of the shed (3) by an air stream, inside a pneumomechanical device (10) positioned at loom outlet. Said device (10) comprises an inner duct (13) into which blows the air stream conveying the faulty weft yarn, yarn gripping and intermittent drawing members (15) positioned downstream of and across said duct (13), and devices (19, 21) to protect from dirt the yarn detection optical sensor (18). <IMAGE>

IPC 1-7

D03D 51/08

IPC 8 full level

D03D 51/08 (2006.01)

CPC (source: EP)

D03D 51/085 (2013.01)

Cited by

CN115821459A; EP0867544A1; DE19521106A1; EP0747519A3; BE1023294B1; EP0976859A1; EP0747520A3; US5746256A; KR100266959B1

Designated contracting state (EPC)

BE CH DE ES FR IT LI

DOCDB simple family (publication)

EP 0534541 A1 19930331; EP 0534541 B1 19961218; DE 69216027 D1 19970130; DE 69216027 T2 19970410; ES 2097861 T3 19970416; IT 1251495 B 19950515; IT MI912464 A0 19910918; IT MI912464 A1 19930318

DOCDB simple family (application)

EP 92202872 A 19920918; DE 69216027 T 19920918; ES 92202872 T 19920918; IT MI912464 A 19910918